ASSIGNMENT-1

AIM : Write PHP script to demonstrate the use of strict declaration and Default Argument Value in PHP function.

CODE:

```
<?php declare(strict_types=1);

function setHeight(int $minheight = 39) {

  echo "The height is : $minheight <br>";

}


setHeight(450);

setHeight();

setHeight(15);

setHeight(782);

?>
```

OUTPUT:

```
$php main.php
The height is : 450 <br>The height is : 39 <br>The height is : 15 <br>The height is : 782 <br>
```

2) Write PHP script to demonstrate Date functions.

Code:

```
<!DOCTYPE html>

<html>

<body>


<?php

// Prints the day

echo date("l") . "<br>";


// Prints the day, date, month, year, time, AM or PM

echo date("l jS \of F Y h:i:s A") . "<br>";
```

```
?>


</body>
</html>
```

Output:

```
Friday
Friday 21st of January 2022 05:08:45 AM
```

3) Write PHP script to demonstrate Math functions.

1. abs()function

   Code:

```
<?php
echo(abs(5.8) . "<br>");
echo(abs(-5.8) . "<br>");
echo(abs(-4) . "<br>");
echo(abs(4));
?>
```

   Output :

```
5.8
5.8
4
4
```

2. Sqrt function

Code:

```
<!DOCTYPE html>
<html>
<body>
```

```
<?php
echo(sqrt(0) . "<br>");
echo(sqrt(4) . "<br>");
echo(sqrt(64) . "<br>");
echo(sqrt(0.81) . "<br>");
echo(sqrt(-5));
?>

</body>
</html>
```

Output:

0
2
8
0.9
NAN

3.log() function

Code:

```
<!DOCTYPE html>
<html>
<body>

<?php
echo(log(2.8173) . "<br>");
echo(log(9) . "<br>");
echo(log(8) . "<br>");
echo(log(0));
?>

</body>
</html>
```

Output:

```
1.0357789794965
2.1972245773362
2.0794415416798
-INF
```

4.max() fnction

Code:

```
<!DOCTYPE html>
<html>
<body>

<?php
echo(max(9,67,7,8,11) . "<br>");
echo(max(89,56,68,18,17) . "<br>");
echo(max(array(4,8,8,10)) . "<br>");
echo(max(array(44,18,81,12)));
?>

</body>
</html>
```

Output;

```
67
89
10
81
```

5. tan()

Code:

```
<!DOCTYPE html>
<html>
```

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```
<body>

<?php
echo(tan(M_PI_4) . "<br>");
echo(tan(0.10) . "<br>");
echo(tan(-0.10) . "<br>");
echo(tan(9) . "<br>");
echo(tan(11) . "<br>");
echo(tan(-4) . "<br>");
echo(tan(-18));
?>

</body>
</html>
```

Output:

```
1
0.10033467208545
-0.10033467208545
-0.45231565944181
-225.9508464542
-1.1578212823496
1.1373137123377
```